		GRF Errors Corrected by all Ni er: 9/9/954864	i e	OFPE oms Branch 10/29/61 CRF Processing Date
, j	Ser!	Changed a file from non-ASCII to ASCII	0596	Edited by:
`.			10/1	,
• •		Changed the margins in cases where the sequence	e text was "wrappo	ed down to the next line.
		Edited a format error in the Current Application Data	a section, specific	ally: 47 /
v .		Edited the Current Application Data section with the applicant was the prior application data; or c	actual current nu other	mber. The number inputte
		Added the mandatory heading and subheadings for	*Current Application	ion Dala*.
		Edited the "Number of Sequences" field. The applica	ant spelled out a i	number instead of using an
		Changed the spelling of a mandatory field (the headi	ngs or subheadin	gs), specifically:
•		Corrected the SEQ ID NO when obviously incorrect	The sequence nu	umbers that were edited we
		Inserted or corrected a nucleic number at the end of a	a nucleic line. SE	O ID NO's edited:
		Corrected subheading placement. All responses mus applicant placed a response below the subheading, the	t be on the same his was moved to	line as each subheading. I its appropriate place.
		Inserted colons after headings/subheadings. Heading	gs edited included	f:
		Deleted extra, invalid, headings used by an applicant,	specifically:	
		Deleted: non-ASCII *garbage* at the beginning/en page numbers throughout text; other invalid	nd of files;  se lext, such as	cretary initials/filename at
		Inserted mandatory headings, specifically:		·
		Corrected an obvious error in the response, specifical	ly:	
		Edited identifiers where upper case is used but lower of	case is required, o	or vice versa.
		Corrected an error in the Number of Sequences field,	specifically:	
•		A "Hard Page Break" code was inserted by the applica	int. All occurrence	← es had to be deleted.
		Deleted ending stop codon in amino acid sequences at due to a Patentin bug). Sequences corrected:		
	1	Other: Examined Probable (	intente.	RF3
		emtents - +Por	kelle il	J. S. KENT
		- not match ormine	200 ver	10 Xo
	*Examine	r: The above corrections must be sommuni	- June	

\*Examiner: The above corrections must be communicated to the applicant in the first O Action. DO NOT send a copy of this form.

DATE: 10/29/2001

TIME: 10:07:13

OIPE

```
PATENT APPLICATION: US/09/854,864
                     Input Set : A:\PTO.MH.txt
                     Output Set: N:\CRF3\10292001\1854864.raw
      3 <110> APPLICANT: THEILL, LARS EYDE
             YU, GANG
      6 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS OF MATTER CONCERNING APRIL/G70,
BCMA,
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      9 <130> FILE REFERENCE: A-686B
     11 <140> CURRENT APPLICATION NUMBER: US 09/854,864
C--> 12 <141> CURRENT FILING DATE: 2001-09-11
     14 <150> PRIOR APPLICATION NUMBER: US 60/204,039
     15 <151> PRIOR FILING DATE: 2000-05-12
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     18 <151> PRIOR FILING DATE: 2000-06-27
     20 <160> NUMBER OF SEQ ID NOS: 31
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     24 <210> SEO ID NO: 1
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     34 gctgagggag ggtggagggt ctcaaggcaa cgctggcccc acgacggagt gccaggagca
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     36 ctaacagtac cettagettg ettteeteet eecteettt tatttteaag tteetttta
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     38 tttctccttg cgtaacaacc ttcttccctt ctgcaccact gcccgtaccc ttacccgccc
                                                                              360
     40 cgccacctcc ttgctacccc actcttgaaa ccacagctgt tggcagggtc cccagctcat
                                                                              420
     42 gccagcctca teteetttet tgetageece caaagggeet ecaggeaaca tggggggeec
                                                                              480
     44 agtcagagag ccggcactct cagttgccct ctggttgagt tggggggcag ctctgggggc
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     46 cgtggcttgt gccatggctc tgctgaccca acaaacagag ctgcagagcc tcaggagaga
                                                                              600
     48 ggtgagccgg ctgcagggga caggaggccc ctcccagaat ggggaagggt atccctggca
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     50 gagtctcccg gagcagagtt ccgatgccct ggaagcctgg gagagtgggg agagatcccg
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     52 gaaaaggaga gcagtgctca cccaaaaaca gaagaagcag cactctgtcc tgcacctggt
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     54 teccattaac gecaecteca aggatgaete egatgtgaea gaggtgatgt ggeaaceage
                                                                              840
     56 tettaggegt gggagaggee tacaggeeca aggatatggt gteegaatee aggatgetgg
                                                                              900
     58 agtttatctg ctgtatagcc aggtcctgtt tcaagacgtg actttcacca tgggtcaggt
                                                                              960
     60 ggtgtctcga gaaggccaag gaaggcagga gactctattc cgatgtataa gaagtatgcc
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     62 ctcccacccg gaccgggcct acaacagctg ctatagcgca ggtgtcttcc atttacacca
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     64 aggggatatt ctgagtgtca taattccccg ggcaagggcg aaacttaacc tctctccaca
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     66 tggaaccttc ctggggtttg tgaaactgtg attgtgttat aaaaagtggc tcccagcttg
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     70 atgtgcagga acagaggcgt cttcctgggt ttggctcccc gttcctcact tttccctttt
                                                                             1260
                                                                             1320
     72 catteccace ecctagaett tgattttaeg gatatettge ttetgtteec catggagete
     74 cgaattettg cgtgtgtgta gatgaggggc gggggacggg cgccaggcat tgttcagacc
                                                                             1380
                                                                             1440
     76 tggtcggggc ccactggaag catccagaac agcaccacca tctaacggcc gctcgaggga
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RAW SEQUENCE LISTING

84 <213> ORGANISM: Homo sapiens





RAW SEQUENCE LISTING DATE: 10/29/2001 PATENT APPLICATION: US/09/854,864 TIME: 10:07:13

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93 20 25 30	
96 Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg Leu	
97 35 40 45	
100 Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp Gln	
101 50 55 60	
104 Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Ser Gly	
105 65 70 75 80	
108 Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys Lys	
109 85 90 95	
112 Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys Asp	
113 100 105 110	
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117 115 120 125	
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124 Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe Thr	
125 145 150 155 160	
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129 165 170 175	
132 Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr Asn	
133 180 185 190	
136 Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile Leu	
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	240
	300
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164 cttgacggct gccctgtcct tcctagataa tggcaccaaa ttctcctgag gctagggggg	420
	480
170 cettetgtge etttgeetgt atteceacee tecetgetae etettggeea ceteacttet	540
	600
	660
174 gggggctdagt cagagageda gedetteegg tegeteeteg getgageteg ggggeagete	720
178 ggcgggaggt gagccggctg cagcggagtg gagggccttc ccagaagcag ggagagcgcc	780
	. 50





RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/854,864

DATE: 10/29/2001 TIME: 10:07:13

Input Set : A:\PTO.MH.txt

180	cate	ggcag	gag (	cctct	tggga	ag ca	igagt	tcct	ate	gtcct	gga	agco	tgga	ag	gatge	ggcga	840	_
182	aato	ctcgg	gag a	aagga	agago	ca gt	acto	cacco	aga	aagca	acaa	gaag	gaago	cac t	tcagt	tcctgc	900	
184	atct	tgtt	cc a	agtta	aacat	tt ac	cctc	caage	g act	tctga	acgt	gaca	gagg	gtg a	atgt	ggcaac	960	
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190	aggt	ggta	atc 1	tcgg	gaage	ga ca	aggg	gagaa	a gag	gaaa	ctct	atto	cgat	tgt a	atcag	gaagta	1140	
192	tgc	cttct	ga t	tcct	gacco	gt go	ctac	caata	a gct	tgcta	acag	tgca	iggt	jtc 1	tttca	atttac	1200	
194	atca	aaggo	ga 1	tatta	atcad	et gt	caaa	aatto	cac	eggge	caaa	cgca	aaaa	ett a	agcct	tttctc	1260	
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	ccattccaaa aactggctag acaaaggaca aggaacggtc aagaacagct ctccatggct													1380				
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		Leu	Ser	Val	Ala	Leu	Trp	Leu	Ser	Trp	Gly	Ala	Val	Leu	Gly	Ala		
217				20			•		25	-	-			30	-			
	Val	Thr	Cvs	Ala	Val	Ala	Leu	Leu	Ile	Gln	Gln	Thr	Glu	Leu	Gln	Ser		
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	Leu	Arq	Arg	Glu	Val	Ser	Arq	Leu	Gln	Arq	Ser	Gly	Gly	Pro	Ser	Gln		
225		50					55			_		60	-					
	Lys	Gln	Gly	Glu	Arg	Pro	Trp	Gln	Ser	Leu	Trp	Glu	Gln	Ser	Pro	Asp		
229			-		•	70	-				75					80		
		Leu	Glu	Ala	Trp	Lys	Asp	Gly	Ala	Lys	Ser	Arg	Arg	Arg	Arg	Ala		
233					85	-	_	_		90		_	_	_	95			
	Val	Leu	Thr	Gln	Lys	His	Lys	Lys	Lys	His	Ser	Val	Leu	His	Leu	Val		
237				100	-		_	_	105					110				
240	Pro	Val	Asn	Ile	Thr	Ser	Lys	Asp	Ser	Asp	Val	Thr	Glu	Val	Met	Trp		
241			115				_	120		_			125					
244	Gln	Pro	Val-	Leu	Arg	Arg	Gly	Arg	Gly	Leu	Glu	Ala	Gln	Gly	Asp	Ile		
245		130			_	-	135	_	-			140		_	_			
248	Val	Arg	Val	Trp	Asp	Thr	Gly	Ile	Tyr	Leu	Leu	Tyr	Ser	Gln	Val	Leu		
	145	_		-	-	150	-		-		155	-				160		
252	Phe	His	Asp	Val	Thr	Phe	Thr	Met	Gly	Gln	Val	Val	Ser	Arg	Glu	Gly		
253		•	-		165				_	170				_	175	_		
256	Gln	Gly	Arq	Arg		Thr	Leu	Phe	Arg	Cys	Ile	Arg	Ser	Met	Pro	Ser		
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	Asp	Pro	Asp	Arg	Ala	Tyr	Asn	Ser	Cys	Tyr	Ser	Ala	Gly	Val	Phe	His		
261	-		195	-		-		200	-	-			205					
	Leu	His		Gly	Asp	Ile	Ile		Val	Lys	Ile	Pro	Arg	Ala	Asn	Ala		
265		210		-	_		215			•		220						
	Lys		Ser	Leu	Ser	Pro		Gly	Thr	Phe	Leu		Phe	Val	Lys	Leu		
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/854,864

DATE: 10/29/2001 TIME: 10:07:14

Input Set : A:\PTO.MH.txt

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275 <213> ORGANISM: Homo sapiens
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287 Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser Val Lys Gly
291 Thr Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu Ile Ile Ser
                            55
295 Leu Ala Val Phe Val Leu Met Phe Leu Leu Arg Lys Ile Ser Ser Glu
                       70
299 Pro Leu Lys Asp Glu Phe Lys Asn Thr Gly Ser Gly Leu Leu Gly Met
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303 Ala Asn Ile Asp Leu Glu Lys Ser Arg Thr Gly Asp Glu Ile Ile Leu
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                                   105
307 Pro Arg Gly Leu Glu Tyr Thr Val Glu Glu Cys Thr Cys Glu Asp Cys
                               120
                                                    125
311 Ile Lys Ser Lys Pro Lys Val Asp Ser Asp His Cys Phe Pro Leu Pro
                            135
315 Ala Met Glu Glu Gly Ala Thr Ile Leu Val Thr Thr Lys Thr Asn Asp
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316 145
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/854,864

DATE: 10/29/2001 TIME: 10:07:14

Input Set : A:\PTO.MH.txt

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377					5					10					15		
	Phe	Val	Leu		Phe		•										
381				20	_												
		)> SI															
		L> LE			33												
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		)> SE				Com	C1 n	7 ~ ~	C1.,	M	Dho	7 an	cor	T 011	T 011	шіс	
391		Ald	GIŸ	GIII	Cys 5	ser	GIII	ASII	. GIU	10	PHE	АБР	ser	ьеu	15	His	
395	Ala	Cys	Ile	Pro	Cys	Gln	Leu	Arg	Cys	Ser	Ser	Asn	Thr	Pro	Pro	Leu	
396				20					25					30			
399	Thr	Cys	Gln	Arg	Tyr	Cys	Asn	Ala	Ser	Val	Thr	Asn	Ser	Val	Lys	Gly	
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404		50					55					60					
	_	Pro	Ala	Pro	Glu	Leu	Leu	Gly	Gly	Pro		Val	Phe	Leu	Phe		
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	Pro	Lys	Pro	Lys	Asp 85	Thr	Leu	Met	Ile	Ser 90	Arg	Thr	Pro	Glu	Val 95	Thr	
412	Cvc	Wa I	Wal	Va l		Val	Cor	uic	Clu		Dro	Glu	Val	Luc		λen	
416	Cys	Val	Val	100	кэр	Val	261	1112	105	мър	FIU	GIU	Val	110	riic	ASII	
	Ψrn	ጥህጉ	Val		Glv	Va 1	Glu	Val		Δan	Δla	T.v.c	Thr		Pro	Arg	
420	115	- 7 -	115	nsp	O L y	vai	Olu	120	1115	non	niu	175	125	<b>L</b> <sub>1</sub> S	110	*** 9	
	Glu	Glu		Tvr	Asn	Ser	Thr		Ara	Val	Val	Ser		Leu	Thr	Val	
424		130		-1-	,		135	-1-	,			140					
427	Leu	His	Gln	Asp	Trp	Leu		Gly	Lys	Glu	Tyr	Lys	Cys	Lys	Val	Ser	
	145			-	-	150		_	-		155	-	•	-		160	
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432		<u> </u>			165					170					175		
435	Gly	Gln	Pro	Arg	Glu	Pro	Gln	Val	Tyr	Thr	Leu	Pro	Pro	Ser	Arg	Asp	
436				180					185					190			
439	Glu	Leu	Thr	Lys	Asn	Gln	Val	Ser	Leu	Thr	Cys	Leu	Val	Lys	Gly	Phe	
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444		210					215					220					
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/854,864

DATE: 10/29/2001 TIME: 10:07:15

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10292001\1854864.raw

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L:1072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22